

Malden High School - 2014-2015

Course Syllabus

Name of Course: Algebra 2 CP

Instructor: Mr. Lippman

Room: H412

E-mail: nlippman@maldenps.org

Extra Help: Tuesday - Friday

Wiki: <http://mhslippmanalgebra2.wikispaces.com/Home>

Materials:

Textbook	<i>Algebra 2</i> , McDougal Littell © 2004 (For reference only)
Student Supplies	3-ring binder Scientific Calculator (<i>Optional: Graphing Calculator - TI-83 or TI-84</i>) Pencils Colored Pens (Red or Blue)

Course Description:

Prerequisite: Successful completion of Geometry CP, Geometry H, or Integrated Mathematics 2 and teacher recommendation, or approval of principal/director. This advanced course touches on all the major topics of analyzing functions algebraically, numerically, graphically and verbally including: linear functions, linear and quadratic systems, linear inequalities, quadratic and absolute value functions, polynomials of degree 3 and 4, exponential and logarithmic functions, and data and statistics. The goal is topics are learned using scaffolding, appropriate technology, and real world application in order to gain a deep understanding of the concepts.

Instructional Philosophy:

I believe that ALL students can learn at a high level if they are taught with a variety of instructional strategies. It is the goal of this course to not only build students' math skills, but also to build their confidence as math learners. In order to achieve these objectives, students will be expected to work individually and in groups and with technological resources to maximize their achievement. Students will have to demonstrate through traditional tests, quizzes, projects, an interactive classroom notebook and online notebook, and participation in the classroom that they have developed the skills and knowledge necessary to meet the standards of an Algebra 2 CP course.

The interactive notebook mentioned above will be used in all subjects this year. In this notebook you will demonstrate your ability to interact thoughtfully with text, visuals, data, phenomena, presentations, and one another. The interactive notebook will assist you in building new mathematical knowledge, skills, and understanding.

Distribution of quarterly grading components Quarter 1

Tests & Quizzes:

There will be approximately two major tests each quarter. There will be frequent quizzes in addition to these tests.

Homework:

There will be homework assignments given almost every night. Some of these assignments will be "spot checked" as complete or incomplete and given credit. Others will be collected and scored for accuracy.

Class Participation:

Students cannot successfully learn math as spectators. Students are expected to participate in class regularly. Class participation includes the following:

- a.) Asking and answering questions in class
- b.) Presenting problems to the class
- c.) Working with classmates on small group activities
- d.) Taking notes, organizing your notebook and working through problems during class time.

Category	Percentage
* Tests & Quizzes	60%
*Major Projects	10%
* Binder and Classwork	20%
*Homework	10%

Classroom Expectations

1. Come to class on time and prepared to work.
2. Be ready to take chances and persevere through difficult problems. You will encounter challenges in this course.
- 3.) Treat your classmates, you teacher and yourself with respect.

Algebra 2 CP - Classroom Procedures

- 1.) Each class will begin with a do now. You should have your homework out and ready to be checked.
- 2.) You will write down a daily learning objective for each lesson in your binder
- 3.) I will present new topics and/or provide you with problems and activities.
- 4.) You will work in groups. I will hold you accountable both individually and as a group. I will be continuously checking for participation from everybody.
- 5.) Every day will end with a "ticket to leave". This is a problem from the day's lesson which will show me whether or not you understood the material.
- 6.) All handouts, notes and assignments will be kept in a binder. You will be warned in advance of binder checks.